Adrian Delmarre
Data Science Engineer

WORK EXPERIENCE

June 2016 – Present
Qwant, Nice, France
Data Science Engineer

News Engine - Near-real-time multi-language news articles clustering, trend detection and topic matching. Named entities popularity detection.
Products - Complex heterogeneous content aggregation and entities matching.
Web Index - Query parsing and classification. Real-time content aggregation and ranking. Web results automated quality evaluation, validation and pre-caching. Duplicate/similar content detection. Crawl/Index monitoring and graphic interpretation.
Misc - Recruiting 20+ engineers. Corporate representation during several public events.
Skills: Classification, Java 8+, R, Clustering, Feature engineering, DataViz, ElasticSearch, Hadoop

October 2015 – May 2016
Amadeus, Sophia-Antipolis, France
Data Science Engineer

Customer Choice Modeling - Customer behaviour analysis, feature extraction and engineering, customer space clustering, in order to offer better travel options to visiting prospects.
Skills: Python, R, Clustering, MongoDB, Spark

February 2015 – September 2015
MDPS / IRIXYS, Passau, Germany
Data Science Engineer

Fraud Detection - The purpose of the project was to evaluate and improve current techniques for detection of payment fraud. This involved high-volume real-time imbalanced classification and pattern detection issues.
Skills: Imbalanced Classification, Optimization, R

May 2014 – September 2014
ANEO, Boulogne-Billancourt, France
Data Scientist

Social Network Analysis - Understanding how a group is organized, by analyzing communication meta-data, in order to provide business insights.
Skills: R, Social Network Analysis, Graph mining

June 2013 – September 2013
Systar (now part of Axway), Lyon, France
Software Engineer

ACID - Provide durability to a custom NoSQL (column, key-value) bi-temporal DBMS, by ensuring that every transaction is replayed in case of a failure.
Skills: Concurrent Java, NoSQL, Scrum, OSGI

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EDUCATION

2013–2015	**Math/CS Master Degree**	*Passau University, Germany*
2012–2015	**CS Engineer Degree**	*INSA Lyon, France*
2006	**High School Diploma**	*Mathematics, Summa Cum Laude*

MAIN SIDE-PROJECTS

2014 **Autonomee**
With a few friends, we've built a little robot-car using the power of Arduino, Raspberry Pi and a couple of motors associated with a bunch of sensors. On top of that, we've also built a desktop and a mobile clients able to control the car remotely (with the ability to automatically avoid obstacles), but also simulated a particle filter: an algorithm that makes it possible to determine the position and orientation of the car even though the sensors are noisy.

COMMUNICATION SKILLS

FRENCH, ENGLISH	Fluent
SPANISH, GERMAN	Basics

COMPUTER SCIENCE SKILLS

CONFIDENT	R, Java, Data Mining, DataViz
FAIR	SQL, Python, Git, UML, Machine Learning, ElasticSearch
BASIC/RUSTY	Scala, C, C++, LaTeX, C#, Hadoop, Spark

ABOUT ME

MISC	Married, 29 years old Driving Licence (and a car)
HOBBIES	Reading, Gardening, Photography
SPORTS	Horseback Riding, Squash, Football, Parenting